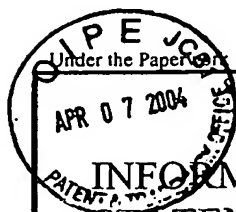


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Application Number	10/803,751
Confirmation Number	
Filing Date	March 18, 2004
First Named Inventor	Larry Neil Mackey
Group Art Unit	
Examiner Name	
Attorney Docket Number	8856C

SHEET 1 of 7

U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
LBT		US- 1,856,401	05/03/1932	Prince	
		US- 1,885,256	11/01/1932	Gull	
		US- 2,570,449	10/09/1951	Horsak	
		US- 2,902,336	09/01/1959	Hiemstra et al.	
		US- 3,117,014	01/07/1964	Klug	
		US- 3,137,592	06/16/1964	Protzman et al.	
		US- 3,280,229	10/18/1966	Simons	
		US- 3,379,811	04/23/1968	Hartmann et al.	
✓		US- 3,499,074	03/03/1970	Barger et al.	
LBT		US- 3,954,361	05/04/1976	Page	

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EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
LBT		Country Code ³	Number ⁴	Kind Code ⁵ (if known)	11/14/2001	Bastioli et al.		
			EP 0 722 980 B1		08/10/1988	Minto et al.		
			EP 1 035 163 A2		09/13/2000	Humatro Corporation		
			EP 1 035 239 A2		09/13/2000	Humatro Corporation		
			EP 1 103 655 A1		05/30/2001	Wielema et al.		
			EP 0 232 121		08/12/1987	Courtaulds PLC		
			EP 0 327 505 B2		08/09/1989	Novamont S.p.A.		
			EP 0 522 358 A2		01/13/1993	Ems-Inventa AG		
			EP 0 541 050 A2		05/12/1993	EMS-Inventa AG		
✓			EP 0 108 364 B1		08/27/1986	Hitachi		
LBT			GB 1 247 474		09/22/1971	Barger et al.		

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/Leo B. Tentoni/

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SHEET 2 of 7	Application Number
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Attorney Docket Number	

U. S. PATENT DOCUMENTS

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LBT		US- 4,069,177	01/17/1978	Smith	
		US- 4,076,663	02/28/1978	Masuda et al.	
		US- 4,115,332	09/19/1978	Young et al.	
		US- 4,117,222	09/26/1978	Holst et al.	
		US- 4,139,699	02/13/1979	Hernandez et al.	
		US- 4,243,480	01/06/1981	Hernandez et al.	
		US- 4,340,563	07/20/1982	Appel et al.	
		US- 4,380,570	04/19/1983	Schwarz	
		US- 4,627,811	12/09/1986	Greiser et al.	
		US- 4,673,438	06/16/1987	Wittwer et al.	
		US- 4,818,463	04/04/1989	Buehning	
V		US- 4,826,415	05/02/1989	Mende	
LBT		US- 4,853,168	08/01/1989	Eden et al.	

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LBT		JP	4100913		04/02/1992	Atsushi		
		JP	9276331		10/28/1997	Yuji et al.		
		JP	10008364		01/13/1998	Yuji et al.		
V		JP	62028410		02/06/1987	Morio		
LBT		JP	4146217		05/20/1992	Masahiko		
EXAMINER /Leo B. Tentoni/						DATE CONSIDERED 02/08/2007		

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Examiner Name															
Attorney Docket Number	8856C														
SHEET 3 of 7															

U. S. PATENT DOCUMENTS

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LBT		US- 4,855,179	08/08/1989	Bourland et al.	
		US- 4,900,361	02/13/1990	Sachetto et al.	
		US- 5,079,354	01/07/1992	Gross et al.	
		US- 5,095,054	03/10/1992	Lay et al.	
		US- 5,122,048	06/16/1992	Deeds	
		US- 5,234,977	08/10/1993	Bastioli et al.	
		US- 5,275,774	01/04/1994	Bahr et al.	
		US- 5,277,761	01/11/1994	Van Phan et al.	
		US- 5,280,055	01/18/1994	Tomka	
		US- 5,286,770	02/15/1994	Bastioli et al.	
		US- 5,288,765	02/22/1994	Bastioli et al.	
✓		US- 5,314,934	05/24/1994	Tomka	
LBT		US- 5,316,578	05/31/1994	Buehler et al.	

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LBT		JP 8260250	10/08/1996	Shinichi et al.		
		JP 8027627	01/30/1996	Shinichi		
		JP 9041224	02/10/1997	Shinichi		
		JP 06-269,239	09/27/1994	Toray Industries Inc.		
✓		JP 6212594	08/02/1994	Honshu Paper Co. Ltd.		
LBT		JP 61040341	02/26/1986	Nippon Shokuhin Kako KK		
EXAMINER /Leo B. Tentoni/			DATE CONSIDERED 02/08/2007			

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LBT		US- 5,346,936	09/13/1994	Buehler et al.	
		US- 5,362,777	11/08/1994	Tomka	
		US- 5,368,690	11/29/1994	Solarek et al.	
		US- 5,382,611	01/17/1995	Stepito et al.	
		US- 5,405,564	04/11/1995	Stepito et al.	
		US- 5,420,180	05/30/1995	Katayama et al.	
		US- 5,425,987	06/20/1995	Shawver et al.	
		US- 5,427,614	06/27/1995	Wittwer et al.	
		US- 5,444,113	08/22/1995	Sinclair et al.	
		US- 5,446,140	08/29/1995	Maheras et al.	
		US- 5,462,982	10/31/1995	Bastioli et al.	
✓		US- 5,476,616	12/19/1995	Schwarz	
LBT		US- 5,480,923	01/02/1996	Schmid et al.	

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LBT		WO 00/43423	07/27/2000	Schroeder et al.		
		WO 98/40434	09/17/1998	Hanna et al.		
✓		WO 01/38635	05/31/2001	Wielema et al.		
LBT		WO 01/49912 A1	07/12/2001	Tsai et al.		

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/Leo B. Tentoni/

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SHEET 5 of 7	Application Number 10/803,751
	Confirmation Number
	Filing Date March 18, 2004
	First Named Inventor Larry Neil Mackey
	Group Art Unit
	Examiner Name
Attorney Docket Number 8856C	

U. S. PATENT DOCUMENTS

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LBT		US- 5,516,815	05/14/1996	Buehler et al.	
		US- 5,679,145	10/21/1997	Andersen et al.	
		US- 5,693,279	12/02/1997	Feuer et al.	
		US- 5,703,160	12/30/1997	Dehennau et al.	
		US- 5,705,536	01/06/1998	Tomka	
		US- 5,720,832	02/24/1998	Minto et al.	
		US- 5,736,586	04/07/1998	Bastioli et al.	
		US- 5,773,495	06/30/1998	Haschke et al.	
		US- 5,844,023	12/01/1998	Tomka	
		US- 5,866,251	02/02/1999	Bastioli et al.	
		US- 5,874,486	02/23/1999	Bastioli et al.	
		US- 5,945,480	08/31/1999	Wang et al.	
		US- 6,013,223	01/11/2000	Schwarz	
		US- 6,096,809	08/01/2000	Lorcks et al.	
		US- 6,045,908	04/04/2000	Nakajima et al.	
		US- 6,117,925	09/12/2000	Tomka	
LBT		US- 6,214,907 B1	04/10/2001	Tomka	

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LBT		US- 6,218,321 B1	04/17/2001	Lorcks et al.	
		US- 6,231,970 B1	05/15/2001	Andersen et al.	
		US- 6,235,815 B1	05/22/2001	Loercks et al.	
		US- 6,235,816 B1	05/22/2001	Lorcks et al.	
		US- 6,235,835 B1	05/22/2001	Niessner et al.	
		US- 6,238,520 B1	05/29/2001	Greenwood	
		US- 6,242,102 B1	06/05/2001	Tomka	
		US- 6,277,899 B1	08/21/2001	Bastioli et al.	
		US- 6,302,997 B1	10/16/2001	Hurter et al.	
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		US- 6,365,002 B1	04/02/2002	Bindzus et al.	
		US- 6,365,079 B1	04/02/2002	Winkler et al.	
		US- 6,372,361 B1	04/16/2002	Mackewicz et al.	
		US- 6,472,497 B2	10/29/2002	Loercks et al.	
		US- 6,506,824	01/14/2003	Bastioli et al.	
		US- 6,517,678	02/11/2003	Shannon et al.	
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		US2002/0015854 A1	02/07/2002	Billmers et al.	
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		US2003/0022581 A1	01/30/2003	TSAI et al.	
		US2003/0072731 A1	04/17/2003	Gulian et al.	
LBT		US2003/0099692 A1	05/29/2003	Lydzinski et al.	

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	Application Number	10/803,751
	Confirmation Number	
	Filing Date	March 18, 2004
	First Named Inventor	Larry Neil Mackey
	Group Art Unit	
	Examiner Name	
Attorney Docket Number	8856C	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
LBT		A.J.F. de Carvalho, A.A.S. Curvelo, J.A.M. Agnelli, A FIRST INSIGHT ON COMPOSITES OF THERMOPLASTIC STARCH AND KAOLIN, Carbohydrate Polymers 45 (2001) 189-194, received 23 September 1999; revised 26 January 2000, 2001 Elsevier Science Ltd.	
		W. John G. McCulloch, Ph.D., THE HISTORY OF THE DEVELOPMENT OF MELT BLOWING TECHNOLOGY, INJ Spring 1999, pages 66-72.	
		Author Unknown, A NEW CROP OF NONWOVENS, Nonwovens Industry, February 2000, page 58.	
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		Susanna Schiemer, BIODEGRADABLE CELLULOSE FIBER, Nonwovens World, October-November 1999, pages 71-74.	
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		Josef L. Kokin, Lih-Shiuh Lai, Lisa L. Chedid, EFFECT OF STARCH STRUCTURE ON STARCH RHEOLOGICAL PROPERTIES, Food Technology, June 1992, pages 130-138.	
		Ralph D. Waniska and Marta H. Gomez, DISPERSION BEHAVIOR OF STARCH, source unknown.	
✓		D.H. Muller, A. Krobjilowski, MELTBLOWN FABRICS FROM BIODEGRADABLE POLYMERS, International Nonwovens Journal (March 2001); abstract only.	
LBT		S. Simmons et al., THERMOPLASTIC PROCESSING OF STARCH: MELT-SPINNING OF STARCH-BASED FIBERS, Biodegradable Polymer Packaging (1993), Conference Proceedings, Publisher: Technomic, Lancaster, PA, pages 171-207.	
EXAMINER /Leo B. Tentoni/	DATE CONSIDERED 02/08/2007		

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SHEET 1 of 1

Application Number	10/803,751
Confirmation Number	6886
Filing Date	March 18, 2004
First Named Inventor	Michael David James
Group Art Unit	1755
Examiner Name	Mark Lee Bell
Attorney Docket Number	8856C

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LBT		Country Code ³	Number ⁴	Kind Code ⁵ (if known)	09/23/1998	Aluminum Co. of America		

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/Leo B. Tentoni/

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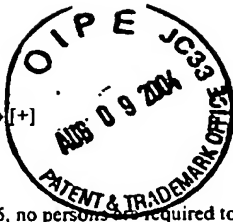
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LBT		Country Code ³	Number ⁴	Kind Code ⁵ (if known)	09/23/1998	Aluminum Co. of America		
EXAMINER /Leo B. Tentoni/					DATE CONSIDERED 02/08/2007			

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